Lesson Plan: Mathematics-- Percentages

# Objectives:

* Students will gain perceptual cognition for the math concept--percentage.
* Students will be familiar with the basic knowledge of percentage through the activity.

# Minds-on:

* Graphic Organizer: (Check out the prezi link in the activity part.)
* Anticipation Guide questions: Anticipation Guide for Water Footprint

1. Estimation of 1 flush of toilet.

2. How much water do you use for brushing your teeth?

3. How much water do you use in a laundry?

4. How much water do you use for a bath?

5. How much water do you use for a shower?

6. How much water do human beings need per day in average?

7. How much water is successfully re-used per year in average?

# Activities:

* Prezi link: <http://prezi.com/le7vknillpsz/?utm_campaign=share&utm_medium=copy&rc=ex0share> (The linked presentation not only shows the rough materials covered in the class, but also sketched the whole process of this class including consolidation activity, i.e. the environmental responsibility.)
* Environmental Responsibility:
  + Group discussion on the anticipation guide questions.
  + Watch the instructional video: <https://www.youtube.com/watch?v=mkSplwGqY9k>
  + Finish the water consumption survey: <https://drive.google.com/folderview?id=0BwbccyGtAiIRdllLLWdWb3FCTmc&usp=sharing>
  + Teacher, who may do this activity with the students, collects the data online and finds the average of the class.
  + Following with the video, teacher instructs the students to complete a full day of water consumption.

# Consolidations:

* Exercises: (Shown in the prezi link)
* Homework Questions:
* Water Footprint: this is the activity that students keep track of their water usage by recording the water consumption as instructed above.